

19980305.qrp v01_n020.qrs.980305

Date: Thu, 5 Mar 1998 19:03:23 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1020

QRP-L Digest 1020

Topics covered in this issue include:

- 1) [5277] Book:you all should have
by pete petry <cpetry@ccs.lmco.com>
- 2) [5278] Antenna Raising
by "Ron Polityka" <wb3aal@talon.net>
- 3) [5279] Re: Book:you all should have
by George Dobbs <g3rjv@gqrp.demon.co.uk>
- 4) [5280] ZL7DK still there!
by Goemans <jgoemans@facstaff.wisc.edu>
- 5) [5281] SMiTe #119 A-OK
by "Bob Edwards, W4ED" <w4ed@flash.net>
- 6) [5282] Re: SMiTe #119 A-OK
by "Bob Edwards, W4ED" <w4ed@flash.net>
- 7) [5283] SST Mods
by k7sz@juno.com
- 8) [5284] Re: [CQ-Contest] Logging "QRP, or Mobile" contacts
by Monte Stark <ku7y@sage.dri.edu>
- 9) [5285] just a little qro
by RangerSF5 <RangerSF5@aol.com>
- 10) [5286] CQrp Meeting Saturday
by SABorns <SABorns@aol.com>
- 11) [5287] Re: ZL7DK
by joel malman <malman@world.std.com>
- 12) [5288] Re: [CQ-Contest] Logging "QRP, or Mobile" contacts
by gsurrency@juno.com (Gary L Surrency)
- 13) [5289] Re: ZL7DK
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 14) [5290] k6mgo@juno.com: [Antennas] indoor ant.
by k5gq@juno.com (C M Tyler)
- 15) [5291] RE: QRP Rig Idea
by "Harry Hurst" <hhurst@delaware.infi.net>
- 16) [5292] Re: QRP Rig Idea
by Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>
- 17) [5293] RE: 10 meter ssb rigs
by "CHARLES LESKIE" <CLESKIE@um-f1.umd.umich.edu>
- 18) [5294] SGC 2020
by "Jeff M. Gold" <JGold@tntech.edu>
- 19) [5295] RE: QRP Rig Idea

- by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 20) [5296] Re: Revision/Pixie 'Test Winners -- tnx de N4UY
by cjl@mail09.mitre.org (Charles J. Ludinsky)
- 21) [5297] Re: QRP Rig Idea
by LYN WILLIAMS <designserv@ipass.net>
- 22) [5298] Re: QRP Rig Idea
by Mike - W0TMW <crucis@sky.net>
- 23) [5299] Re: 10M SSB RIGS:FUTURE?
by Zack Lau <zlau@arrl.org>
- 24) [5300] Re: QRP Rig Idea
by Monte Stark <ku7y@sage.dri.edu>
- 25) [5301] RF Probe Panic
by ji3m@maxwell.com (James R. Duffey)
- 26) [5302] New York Times Ham Radio Article
by "Paulette Quick, WB9VHF" <plquick@facstaff.wisc.edu>
- 27) [5303] Cascade on 10M?
by bcutter@teal.csn.net (Bob Cutter)
- 28) [5304] Gray line to AK
by Randy Foltz <rfoltz@wsunix.wsu.edu>
- 29) [5305] NY Times Ham Radio article
by jmbrown@edge.net (JERRY BROWN)
- 30) [5306] Yaesu/Icom/Scout/QRP stuff for sale, plus Yae FT-736R & FT-470
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 31) [5307] NOT QRP: JUNO listening to its Users?
by n7mfb@juno.com (Bill Todd)
- 32) [5308] Re: New York Times Ham Radio Article
by "ALAN KAUL" <alan.kaul@worldnet.att.net>
- 33) [5309] Re: New York Times Ham Radio Article
by "Walter Dufrain" <walter@inlink.com>
- 34) [5310] qrp rig ideas
by Steven Weber <kd1jv@moose.ncia.net>
- 35) [5311] Re: New York Times Ham Radio Article
by Laura Halliday <ve7ldh@direct.ca>
- 36) [5312] Re: New York Times Ham Radio Article
by Kevin Bunin <p014455b@pb.seflin.org>
- 37) [5313] Re: New York Times Ham Radio Article
by LYN WILLIAMS <designserv@ipass.net>
- 38) [5314] Re: Book:you all should have
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 39) [5315] Elmer 101 update
by Mel Evans <MelEvansGM6JAG@compuserve.com>
- 40) [5316] Re: New York Times Ham Radio Article
by "Bruce Barley" <lbbarley@feist.com>
- 41) [5317] 15 M SSB DX
by Steven Weber <kd1jv@moose.ncia.net>
- 42) [5318] Re: New York Times Ham Radio Article
by Andy Fox <foxes@theriver.com>
- 43) [5319] SMT Ne602/612 Equivalent?

- by Ed Manuel <n5em@flash.net>
- 44) [5320] FS:5 HW-8s and more!
by N1RGN <N1RGN@aol.com>
- 45) [5321] Re: New York Times Ham Radio Article
by LYN WILLIAMS <designserv@ipass.net>
- 46) [5322] RE: New York Times Ham Radio Article
by Kevin Muenzler <wb5rue@stic.net>
- 47) [5323] Re: New York Times Ham Radio Article
by "ALAN KAUL" <alan.kaul@worldnet.att.net>
- 48) [5324] Re: 15 M SSB DX
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 49) [5325] Re: New York Times Ham Radio Article
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 50) [5326] RE: New York Times Ham Radio Article
by Josh Gould <josh.gould@axom.com>
- 51) [5327] Re: RF Probe Panic
by Gardner / Maguire <bagardn@ibm.net>
- 52) [5328] Re: 10M SSB RIGS:FUTURE?
by Phil <k6ls@prolynx.com>
- 53) [5329] Re: NY Times Article/Hunt for Author
by Bob Hightower <ki7mn@dancris.com>
- 54) [5330] Re: RF Probe Panic
by Ed Loranger <we6w@qsl.net>
- 55) [5331] Headphones
by Monte Stark <ku7y@sage.dri.edu>
- 56) [5332] Soapbox for the March Spartan Sprint (Long)
by Russ Carpenter <russ@natworld.com>
- 57) [5333] Results of the MARCH SPARTAN SPRINT
by Russ Carpenter <russ@natworld.com>
- 58) [5334] An old r2t2 article!
by "Bill Meahan" <mwmeahan@rust.net>
- 59) [5335] Re: 10M SSB RIGS:FUTURE?
by Bob Roach <KE4QOK@worldnet.att.net>
- 60) [5336] NorCal K8FF Paddle Kits Shipped
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 61) [5337] Re: SMT Ne602/612 Equivalent?
by Zack Lau <zlau@arrl.org>
- 62) [5338] Paddle Swap?
by Rick Tavan <tavan@tibco.com>
- 63) [5339] Learning to use paddles...
by chunt@macromedia.com (Christian Hunt)
- 64) [5340] Looking for Mini Ckts MAV-11
by traylor@ECE.ORST.EDU (Roger Traylor)

Date: Wed, 04 Mar 1998 17:21:53 -0700
From: pete petry <cpetry@ccs.lmco.com>

To: qrp-1@Lehigh.EDU
Subject: [5277] Book:you all should have
Message-ID: <34FDF021.3777@ccs.lmco.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

>Guys just came across a book that is now carried in our storeroom.
>"The Art of Electronics" by Paul Horowitz Cambridge University Press

Hello all--

I'd like to second that and add a suggestion that you also buy the
Student Lab Manual that many bookstores are stocking along with the main
book. I found both to be "keepers."

--

Pete Petry/WD4DHR/QRP-L #1475
Lockheed-Martin
Command & Control Systems
Mail Stop 01B
9970 Federal Drive
Colorado Springs, CO 80921
719-594-1265 (v)
Email: cpetry@ccs.lmco.com

Date: Wed, 4 Mar 1998 19:40:48 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-1@Lehigh.EDU>
Subject: [5278] Antenna Raising
Message-ID: <01bd47cf\$571f18a0\$695445c6@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Going to raise a antenna, check it out!

<http://www2.csn.net/~bsimon/backyard.html>

Good luck!

73, Good DXing & QRPing
Ron de WB3AAL

E-mail: wb3aal@talon.net
BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA

EPA QRP # 1 QRP # 5318 10-10 # 13173
QRP-L # 1099 G-QRP # 3031 AK QRP # 309

Date: Wed, 4 Mar 1998 23:55:57 -0000
From: George Dobbs <g3rjv@gqrp.demon.co.uk>
To: ve7ldh@direct.ca, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [5279] Re: Book:you all should have
Message-ID: <01bd47c9\$13af5c20\$LocalHost@kcubkvql>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Your absolutely right, Laura
Best birthday present my wife ever gave me
She gave me my copy one hot sunny birthday when we were in Brittany
...never did get to see much of that countryside!

72/3

George Dobbs G3RJV	"It is vain to do with more
g3rjv@gqrp.demon.co.uk	what can be done with less"
The G QRP Club	William of Occum. 1290-1350

Date: Wed, 04 Mar 1998 18:53:09 -0600
From: Goemans <jgoemans@facstaff.wisc.edu>
To: qrp-1@lehigh.edu
Subject: [5280] ZL7DK still there!
Message-ID: <199803050049.SAA48600@mail1.doit.wisc.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi all,
If anyone still cares, ZL7DK is on 21.020 begging for Q's. I just worked

him at 0045Z with 5 watts (no aluminum either!)

72, Paul

Paul R Goemans WA9PWP
1508 Sundt Lane
Stoughton, Wi. 53589-1069 608-877-4151
QRP ARCI 7291 NorCal 1226 QRP-L 127 FISTS 2153 G QRP 9879

Date: Wed, 04 Mar 1998 20:08:52 -0500
From: "Bob Edwards, W4ED" <w4ed@flash.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [5281] SMiTe #119 A-OK
Message-ID: <34FDFB24.CC7EFCA1@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

What a neat little kit & it worked without adjustment
or tuning. W8WVU called CQ near 3.687 twice then returned
my call after 2nd attempt. We had a nice & complete QS0.
I was 569 into Michigan, Al was 569 into Georgia.
My 250 mw into a loop vs his 35 watts into a dipole.

Listening to the SMiTe was a lot like my very first
RX, a surplus ARC-5, but that did have a volume control.

Need to finish packaging #119 then go on the the next to_do.

This was my first encounter with SMT & a good one at that.

Thank you Bob/AE4IC and the rest of the crew.

--

Bob 72/73

<http://www.qsl.net/w4ed>

W4ED nr Atlanta @EM73wt

...."QRP", more from less....

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Date: Wed, 04 Mar 1998 20:35:50 -0500  
From: "Bob Edwards, W4ED" <w4ed@flash.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [5282] Re: SMiTe #119 A-OK  
Message-ID: <34FE0176.E14CE126@flash.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

(correction, typo)

I was 559 (with QSB) not 569 into Michigan, AL was 569 in GA.

Also, the SMT PCB kit took about three hours. I did it in three one hour periods & never lost a piece. I used the kind of tweezers that are spring loaded to hold SMTs in place. Propped it up at about a 20 degree angle using a plastic clothespin. Next time I'll use something more stable. I reoriented the PCB several times to favor my "right-handed" soldering iron. I used a 15 watt RS iron # 64-2051 and the small pointed tip # 64-2052. The pair cost less than ten bucks.

--

Bob 72/73

<http://www.qsl.net/w4ed>  
W4ED nr Atlanta @EM73wt

...."QRP", more from less....

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Date: Wed, 04 Mar 1998 20:12:08 EST  
From: k7sz@juno.com  
To: qrp-1@Lehigh.EDU, qrp@qth.net  
Subject: [5283] SST Mods  
Message-ID: <19980305.021718.17671.0.k7sz@juno.com>

I was just wondering if there is a source of mods for the SST by Wilderness Radio? I have a 40 meter version and would really like to expand the tuning range without resorting to swtiching between two varactors or adding a 2nd xtal. Has anyone tried ordering an AT cut xtal from Jan or Bomar and using this in place of the xtal supplied by Wilderness? If memory serves, the AT cut xtal will provide the maximum amount of tuning range.

The xtal filter in the receiver is much too narrow for my liking and I

tried replacing C6 & C9 with 68 pf caps and C7 & C8 with 180 pf caps...this helped but I needed a wider passband. So, I tried a 56 pf for C6 & 9 and 150 pf for C7 & 8. This is much better. These ratios are all basically 1:3 so I don't see why 47 pf and 120 pf could not be employed for those who desired a wider bandwidth.

rich K7SZ

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Or call Juno at (800) 654-JUNO [654-5866]

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Date: Wed, 4 Mar 1998 18:21:57 -0800 (PST)  
From: Monte Stark <ku7y@sage.dri.edu>  
To: "Harvey D. D. Hetland" <n6mm@earthlink.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [5284] Re: [CQ-Contest] Logging "QRP, or Mobile" contacts  
Message-ID: <Pine.SUN.3.90.980304181657.8295B-100000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Harvey and all,

I stand corrected about needing the /qrp for awards! Another example of why I should check the facts instead of listening to rumors!!

But I'll always wonder why the ARRL will believe me when I say I didn't run more than 5w while working WAS but not when I claim the same thing for DXCC!!

Thanks to all for the B/W on this subject. It's interesting to see all the different feelings out here. The most important thing, to me, is that all the different feelings have been stated without a fight breaking out!

See you in the pile ups.

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....



-----  
Date: Wed, 4 Mar 1998 22:02:18 EST  
From: RangerSF5 <RangerSF5@aol.com>  
To: forsale-swap@qth.net, qrp-1@Lehigh.EDU  
Subject: [5285] jusr a little qro  
Message-ID: <acfa88b0.34fe15be@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Ramsey 40 meter amp for cw  
When the going gets tuff kick in this little baby for a full 20 watts out.  
For show and tell.I installed a mini fan above each final  
APPX> size, 5"deep 5" wide,1&1/2 " high  
\$45.00 includes 2 -3 day mail  
Bob  
WA2HQQ

-----  
Date: Wed, 4 Mar 1998 22:26:47 EST  
From: SABorns <SABorns@aol.com>  
To: qrp-1@Lehigh.EDU  
Subject: [5286] CQrp Meeting Saturday  
Message-ID: <21344bcb.34fe1b79@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Gang,

The March meeting of CQrp will take place on March 7th at Universal Radio. The meeting time is the usual 10:30 with lunch following at Ponderosa.

Will have Ten Tec catalogs to look at to see if we can put together a group order.

(We need a total of \$500 to qualify).

Bring your latest project.

Steve K8IDN

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Date: Wed, 04 Mar 1998 22:43:39 -0500  
From: joel malman <malman@world.std.com>  
To: qrp-1@Lehigh.EDU  
Cc: jgoemans@facstaff.wisc.edu, malman@world.std.com  
Subject: [5287] Re: ZL7DK  
Message-ID: <199803050343.AA06498@world.std.com>

Paul and others ...

I did work ZL7DK about a week ago on 30 meters. Seems like he has been  
\*VERY\* active on the bands from Chatham Islands for some time now. He was,  
for sure, a new country for me... Ma to ZL-land is a long haul for 4 watts  
and a dipole!

Does anyone know who is his QSL manager? I would love to get his QSL card!

thanks,

/joel      wa1qvm

-----  
Date: Wed, 4 Mar 1998 21:49:21 -0700  
From: gsurrency@juno.com (Gary L Surrency)  
To: ku7y@sage.dri.edu  
Cc: qrp-1@Lehigh.EDU  
Subject: [5288] Re: [CQ-Contest] Logging "QRP, or Mobile" contacts  
Message-ID: <19980304.214922.11918.0.gsurrency@juno.com>

Ron said:

>But I'll always wonder why the ARRL will believe me when I  
>say I didn't run more than 5w while working WAS but not  
>when I claim the same thing for DXCC!!

Could it be too embarrassing for the ARRL, and the mega-buck QRO ops? The  
QRO equipment accounts for a considerable revenue in advertising dollars.  
At least that keeps QST coming. ;-)

QRP DXCC would tend to reduce the perceived requirement for 2kw linears  
and stacked arrays! ;-) ;-)

It's one thing to work WAS with 5w - quite another to work DXCC with 5w.  
But many QRP ops have done it. Perhaps the high power boys don't want to  
be outdone by pip squeak signals. The difference in skill level for each

accomplishment are too obvious to need further explanation.....

In other news: (apologies to Paul Harvey)

Thanks to the heads-up tip on ZL7DK here earlier today, I worked him easily on 21.020 Mhz at approx. 0103Z. Only called his S9 signal once with my TS-570D turned down to 5w, using the ground-mounted R7000. He was working a few stations in between an occasional CQ or QRZ?, so it was only necessary to listen for his technique a few minutes, and then give him a try. Hope some of the rest of you are successful too.

Forgot about AA1MY being the fox. Too bad - would have liked to see if he could be heard here last night.

72,

Gary Surrency AB7MY

S&S TAC-1(40&80m) ARK30 38S OHR100 w/KC-2 HW-9 TS-570D

QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

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Or call Juno at (800) 654-JUNO [654-5866]

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Date: Wed, 4 Mar 1998 23:47:48 -0500  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: "INTERNET:malman@world.std.com" <malman@world.std.com>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>  
Subject: [5289] Re: ZL7DK  
Message-ID: <199803042351\_MC2-3589-9BF7@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

Joel:

I asked this question. John N9KW (has confirmed 326 countries--about 125 QRP in the last 6 months) said the following:

"The correct route for ZL7DK is DK7YY. . . This information is based upon info from ZL7DK and also contained in several of the DX bulletins I

receive via the 'net.'

Hope this is timely and useful.

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqz 414 ARS 311 FISTS 3868 mn-qrp 19  
nj-qrp 69 ak/qrp 139 ar/qrp 73 hi/qrp 30 ARCI 9398 CQC 29305  
ARRL DXCC 143/85 Grid EN34 <>< FOXes 3/4/98 = 34. A 1997/98 FOX.

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Omni V Corsair I Yaesu FT-900CAT Icom 730 Wilderness Sierra  
49er SW-40 Mercury Paddles Schurr Paddles Emtech ZM-2 MFJ 259  
MFJ 941D Matchbox GAP Titan TNT/2 Windom SLV/W6MMA G5RV  
Timewave 599zx Auttek QF-1 RS DSP-40 OHR SCAF

"Things should be as simple as possible, but no simpler"--A. Einstein

-----  
Date: Wed, 4 Mar 1998 21:52:53 -0800  
From: k5gq@juno.com (C M Tyler)  
To: qrp-l@Lehigh.EDU  
Subject: [5290] k6mgo@juno.com: [Antennas] indoor ant.  
Message-ID: <19980305.054034.11998.0.k5gq@juno.com>

I'm some could share some ideas for him.

Mark Tyler  
K5GQ/m Houston TX  
QRP-L 794 ARRL VE since 85

----- Begin forwarded message -----  
From: k6mgo@juno.com  
To: antennas@qth.net  
Subject: [Antennas] indoor ant.  
Date: Wed, 4 Mar 1998 19:02:46 -0800  
Message-ID: <19980304.190247.3214.0.k6mgo@juno.com>

Hi to the list:

I could sure use some practical suggestions for a antenna in my garage. I live in a condo assoc. and have to operate from the garage which is a std. 2 car 21' X 21' wood frame & stucco bldg. with 8 ' walls & a peaked roof (open rafters) approx. 14' high.

I will only operate very low power (5-10 watts max.) not a good combination, low power and inside antenna, but you do what you got to do. I would like to work all HF bands, however, will settle for 40M and/or

20M. cw.

Have thought of two hamsticks in a dipole configuration, and someday if I get a tuner, feed with ladder line and have a all band job. could push the hamsticks up into the ridge line of the roof which is about 10-12 feet long, and 14 feet high. Or a 20M full wave loop at the 8' level around the edge of the inside. also heard about slinkys, but, don't know how they would be hooked up/stretched out?

Anyone having any comments/suggestions on the above or any other ideas (please don't say run wire outside, can't do), will be greatly appreciated.

Again, I have a Icom-706 mk1, no antenna tuner, I do have a screwdriver mobile, but, stretching 10-16 ten foot radials out wouldn't look too cool to the xyl.

73 and thanks for any help.

Bill Ross K6MGO

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----- End forwarded message -----

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Or call Juno at (800) 654-JUNO [654-5866]

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Date: Thu, 5 Mar 1998 07:51:11 -0500  
From: "Harry Hurst" <[hhurst@delaware.infi.net](mailto:hhurst@delaware.infi.net)>  
To: <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Subject: [5291] RE: QRP Rig Idea  
Message-ID: <199803051312.IAA04999@fh101.infi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Build the entire rig around the center insulator of a dipole, add nicad/solar power, and key it with fiber optic line. Use another FO line for audio. We don't need no stinkin' feed line - just glass.

Amateur Radio - WA3PTG

— — . . . . — — — — . . . . — — — — — — — — .

ORP-L #1464

Wilmington DE

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Date: Thu, 05 Mar 1998 08:23:30 -0500

From: Thomas Jennings <jennings@eng14.rochny.uspra.abb.com>

To: hhurst@delaware.infi.net

Cc: Low Power Amateur Radio Discussion <grp-1@Lehigh.EDU>

Subject: [5292] Re: QRP Rig Idea

Message-ID: <34FEA752.5D92B203@eng14.rochny.uspra.abb.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Harry Hurst wrote:

 $\succ$ 

> Build the entire rig around the center insulator of a dipole, add

> nicad/solar power, and key it with fiber optic line. Use another F0 line

```
> for audio. We don't need no stinkin' feed line - just glass.
```

 $\succ$ 

Great idea except for the glass -- eliminate all lines and just use a laser to do all controls, audio, and power!

Tom, kv2x

> Amateur Radio - WA3PTG

> -----

> ORP-L #1464

> Wilmington DE

>

Date: Thu, 5 Mar 1998 08:50:52 EST5EDT

From: "CHARLES LESKIE" <CLESKIE@um-f1.umd.umich.edu>

To: [grp-1@Lehigh.EDU](mailto:grp-1@Lehigh.EDU)

Subject: [5293] RE: 10 meter ssb rigs

Message-ID: <4898B12577@um-f1.umd.umich.edu>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

There are still a ton of Uniden and Radio Shack 10 meter rigs out there on the used market. I found one thats like brand new for 150.00. They are great little rigs and have a low power setting that will take them down to qrp levels. With my HTX-100 and a converted CB antenna (a total cost of about 200 dollars) I have worked a fair amount of dx from my pick up truck, under our present sunspot condx. I also have a TS50, but I fear leaving it in my truck. I have already had a 2 meter rig stolen. If my ten meter rig was stolen, I would be very upset, but it would be far easier to replace than a IC706 or TS50.

These rigs are a bit tricky to use on CW because you have to tune slightly off frequency and then rit in the other station. Both the Uniden and Radio Shack are like that, but once you get the hang of it, it's no big problem.

Also, Ranger still makes a ten meter rig that I believe is still in production.

Chuck

-----  
Date: Thu, 05 Mar 1998 08:13:11 -0600  
From: "Jeff M. Gold" <JGold@tnitech.edu>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [5294] SGC 2020  
Message-ID: <009e01bd4840\$d4a175e0\$d4d0b9595@mm-man.cc.tnitech.edu>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit

well, this is a first since when, about 6 months ago, SGC page updated as of today, and still the same delivery date :\*)

<http://www.sgcworld.com/sg2020.html>

=====  
Jeff M. Gold, Ed.S.  
Manager, Academic Computing Support  
Tennessee Technological University

-----  
Date: Thu, 5 Mar 1998 09:45:08 -0500 (EST)  
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>  
To: Harry Hurst <hhurst@delaware.infi.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [5295] RE: QRP Rig Idea  
Message-ID: <Pine.GS0.3.96.980305093455.8412A-100000@larry>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 5 Mar 1998, Harry Hurst wrote:

> Build the entire rig around the center insulator of a dipole, add  
> nicad/solar power, and key it with fiber optic line. Use another FO line  
> for audio. We don't need no stinkin' feed line - just glass.  
> Amateur Radio - WA3PTG

I have suggested on several occasion here in qrp-1 that experimentation with placing at least the final amp at the antenna feedpoint might be a good experiment. Putting the whole rig there might also be good, since it is all light weight.

However, do not think that fiber optics are lossless or distortion-free. Nor are they immune from outside incursion. It is just that the forms of loss and of incursions differ. A new meaning for "tripping the light fantastic. . ."

Oh, yes, in placing those solar cells, be sure the antenna is stable enough to keep them toward the light--and (since batteries are heavy) repoint them at a floodlight for night time operation. Of course, you can always key the floodlight and send CW via total power on-off. No need for fiber optics then.

If power is self-contained, then laser modulation (A1, A3, etc.) will leave nothing to trip over.

And if both the TX and RX are laser equipped...

And if both are mounted in Altoids tins. . .or Zippos

Sorry. It's been a long week.

-73-

LB, W4RNL



-----  
Date: Thu, 5 Mar 98 10:01:14 -0500  
From: cjl@mail09.mitre.org (Charles J. Ludinsky)  
To: jakecart@ix.netcom.com (jakecart@ix.netcom.com), qrp-1@Lehigh.EDU (qrp-1@lehigh.edu)  
Subject: [5296] Re: Revision/Pixie 'Test Winners -- tn timer de N4UY  
Message-ID: <980305100114.15966@mail09.mitre.org.0>

Jake,

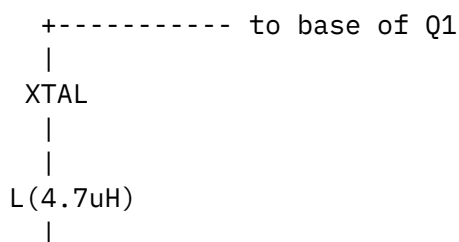
> I've got big plans for next year -- a Tixie with Doug DeMaw's  
> audio filter.

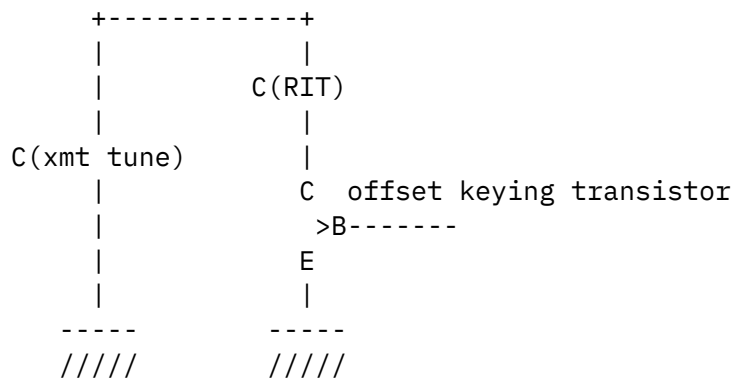
One suggestion about using the audio filter with the Tixie: Instead of using a trimmer capacitor to adjust the frequency offset, use a small variable capacitor (e.g., 3-50pF, or thereabouts) that you can adjust externally without a screwdriver or tuning tool. You find the setting that gives you the offset that you want, then mark that position. The use of the variable capacitor then gives you a rudimentary RIT function, so you can tune in someone who has not zero beat your frequency.

> I wonder how I can "rubber" that NorCal 7.040 crystal??

It gets a little difficult to simultaneously "rubber" the crystal to change transmit frequency and still maintain a constant offset on keying. You can do one or the other easily, but it's harder to do both. For transmit offset, try an inductor (~4.7uH) in series with the variable capacitor (per the 49er circuit). You might be able to use the RIT arrangement discussed above in conjunction with transmit tuning by modifying the Tixie circuit such that the transistor switch is in series with the RIT capacitor, rather than across it, with the resultant series circuit then paralleled across the transmit tuning capacitor.

Let me try a diagram:





You might also try paralling two crystals (and increasing the value of L) to give you a "super-VX0" configuration with a greater tuning range.

Don't know if these ideas will work, since I haven't tried them, but it's worth a try.

72 DE K1CL,  
Chuck.

-----  
Date: Thu, 05 Mar 1998 10:05:31 -0800  
From: LYN WILLIAMS <designserv@ipass.net>  
To: cebik@utkux.utcc.utk.edu  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [5297] Re: QRP Rig Idea  
Message-ID: <34FEE96B.6C6CD1B3@ipass.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

L. B. Cebik wrote:

> However, do not think that fiber optics are lossless or distortion-free.  
>  
> Of course, you can  
> always key the floodlight and send CW via total power on-off. No need for  
> fiber optics then.

How much power can be sent by fiber optics?



Date: Thu, 05 Mar 1998 10:39:31 -0500  
From: Zack Lau <zlau@arrl.org>  
To: qrp-1@Lehigh.EDU  
Subject: [5299] Re: 10M SSB RIGS:FUTURE?  
Message-ID: <34FEC733.424@arrl.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Try posting a want ad. I don't think they are popular enough right now for sellers to bring to hamfests unless they have a sale lined up beforehand.--Zack W1VT

-----  
Date: Thu, 5 Mar 1998 07:37:04 -0800 (PST)  
From: Monte Stark <ku7y@sage.dri.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [5300] Re: QRP Rig Idea  
Message-ID: <Pine.SUN.3.90.980305073555.8934E-100000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hmmmm,

Put in a PIC and some RAM. Do the proper progarmming and just take the rig down now and then to see who you have worked! :-)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Thu, 5 Mar 1998 08:54:33 -0700  
From: ji3m@maxwell.com (James R. Duffey)  
To: Gardner / Maguire <bagardn@ibm.net>  
Cc: qrp-1@Lehigh.EDU  
Subject: [5301] RF Probe Panic  
Message-ID: <v02130500b12473f7c4c4@[192.31.66.158]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: quoted-printable

Dan - I read with amusement your tongue in cheek post on measuring power=  
with your RF probe;  
=20

"Yes!! 52.6 ohms. 16.10 volts across 52.6 ohms is 4.93 watts. Salvation!!=  
"...

"0.022 dB in the cable, which gives an input/output power ratio of 1.005:1. =  
So the 4.93 watts at the dummy load translates to 4.95 watts out of the rig=  
"

and other precise numbers quoted with deftness and confidence.

I have long avoided these problems, both theoretically and experimentally by=  
not dealing with anything that requires more than 1 or 2 significant=  
figures. If it needs more than that I hire it out and ignore the last few=  
decimal places. This is a corollary to the old saying "The devil is in the=  
details".

I think that this is a holdover from my slide rule days. In my grad school=  
TA days I had a student square 2 with his new calculator and get 3.99999999.=  
I took off a point and he was upset. Insisted that the answer had to be=  
correct as it came from his calculator.

"Garbage in gospel out".

I notice that it is just as easy to find W1AW, K7HLR, the KGB, and the Fox=  
hunt on my HQ-170 (5 kcps dial markings guaranteed to half that in accuracy=  
according to the book, although the oscillator is out of alignment and I=  
can only set the fiducial to within 20 kcps of the "correct" value) as it=  
is on my TS-850 (10 Hz dial accuracy dead on to WWV). I have seen some of=  
Paul's rigs with no dial markings at all.

Ignorance is bliss, but watch the band edges.

I installed a new operating system and seem to be having some problems with=  
my mailer generating lines that are too long. I have changed the setting=  
from 80 (1 significant figure) to 72 (2 significant figures). I am=  
interested in how it looks to the rest of the world.

Does this post have =3D signs at the end of the lines?=20

I always seem to get this way after reading one of Nils's posts. I am having=  
second thoughts and set the line length back to 80.

- Duffey KK6MC/5 =20

James R. Duffey (505) 764-3143  
Principal Scientist (505) 843-7995 (FAX)  
Maxwell Technologies Inc/Albuquerque Division=20  
Suite 300  
2501 Yale Blvd SE  
Albuquerque, NM 87106

=

-----  
Date: Thu, 5 Mar 1998 10:04:37 +0000  
From: "Paulette Quick, WB9VHF" <plquick@facstaff.wisc.edu>  
To: qrp-l@Lehigh.EDU  
Subject: [5302] New York Times Ham Radio Article  
Message-ID: <v03007800b1242635f7de@[144.92.104.132]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Check out the ham radio article in the Circuits section of today's New York Times. In my national edition, it's on page D9. Entitled "Ham Radio, Version 2.0, for the Silicon Era," it's a pretty good job but doesn't mention QRP. It also claims 4,000 watts as the maximum legal power. Ouch!

Then there's a major conceptual conflict. On one hand, it says that "Another tradition...lives on: building one's hardware more or less from scratch." At the end of the article, the opposite is stated: "Yet, instead of winding their own turning coils and wielding soldering irons as they used to, most of these traditionally minded hams now operate mass-produced equipment from Japan."

How about we qrpers write to the NYT letter section and let them know we haven't yet retired the hand-wound toroid?

Paulette Quick, WB9VHF  
Madison WI  
(one of those "over-40" practitioners mentioned in the article)

-----  
Date: Thu, 5 Mar 1998 09:10:33 -0700 (MST)  
From: bcutter@teal.csn.net (Bob Cutter)  
To: qrp-l@Lehigh.EDU  
Subject: [5303] Cascade on 10M?

Message-ID: <199803051610.JAA12693@mailman.sni.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

With all the talk of 10M SSB was there ever any try at a 10M band module for the Cascade?

I will be on this weekend to see if I can boost the 20M SSB totals with my Cascade.

72, Bob KI0G

-----  
Date: Thu, 5 Mar 1998 08:19:40 -0800 (PST)  
From: Randy Foltz <rfoltz@wsunix.wsu.edu>  
To: qrp-l post <qrp-l@Lehigh.EDU>  
Subject: [5304] Gray line to AK  
Message-ID: <Pine.OSF.3.95.980305080701.18622A-100000@unicorn.it.wsu.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Howdy, gang.

Last night KL7JAF, Bruce, and I had an interesting QSO. We hooked up on 14.061 just before 0200 Z and exchanged the usual pleasantries. Signal reports were 449 to 439 depending upon the degree of fading. Both of us were at 5w. Then he started dropping his power from 5 w to 2 w and finally to 1 w. RST dropped but was still quite readable. Bruce couldn't go any lower so I started dropping power. First from 5 to 2 then to 1. Each time Bruce reported RST of 449 to 339. I went to 500 mW then to 100 mW. At that level he gave me a 339. I went to 30 mW and he reported he could hear me, but couldn't copy. We came back up to 5w and the QSB finally got us at 0211.

Bruce's antenna was a 3 element beam and I had a Gap Titan.

Fairbanks AK to Moscow ID is 1696 miles. At 100 mW that makes for 16,960 miles per watt. Solar elevation in Moscow was -5 degrees and in Fairbanks was +7 degrees so we were getting some good gray line. Solar flux was 100 and A index was 5.

Yup, as I've heard many times, you need a lot of power and a big beam to work 20m. :)

72,

Randy  
AB7TK ARCI QRP-L NORCAL NWQRP ARS  
Moscow, ID

-----  
Date: Thu, 05 Mar 1998 10:33:34 -0600  
From: jmbrown@edge.net (JERRY BROWN)  
To: qrp-l@Lehigh.EDU  
Subject: [5305] NY Times Ham Radio article  
Message-ID: <34FED3DE.6497@edge.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

You can find the March 5 article on the web at

<http://www.nytimes.com>

click the technology section in the index.

Thanks Paulette, for the discovery!

Jerry, N4EO

-----  
Date: Thu, 5 Mar 1998 13:21:11 -0500 (EST)  
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>  
To: qrp-l <qrp-l@Lehigh.EDU>, Laurel ARC <larc-l@webtrek.com>, eax@w3eax.umd.edu  
Cc: "'forsale-swap@qth.net'" <forsale-swap@qth.net>, VHF Mailing list  
<vhf@w6yx.stanford.edu>, tentec@contesting.com  
Subject: [5306] Yaesu/Icom/Scout/QRP stuff for sale, plus Yae FT-736R & FT-470  
Message-ID: <Pine.LNX.3.95.980305125831.16114A-100000@w3eax.umd.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

All for sale, listening to offers. No use keeping.

Yaesu FT-707 complete station (radio, external digital VFO, 20a power supply, and antenna tuner) with hand mic, boxes for rig & power supply, and all manuals. Radio covers 80-10 meters, has digital display, and is in excellent shape. Radio belongs to father-in-law. \$650, and will



consider parting out.

Icom IC-737 general coverage HF xcvr. 10 Hz resolution, black-on-orange LCD, two VFOs, 100 memories, two antenna ports, direct freq. entry, AM/FM/SSB/CW/etc., variable 5-100w output, keyer, automatic antenna tuner, asking \$737. Includes box, hand mic, power cable and manual.

Ten-Tec Scout with 80-40-30-20-17-15-10 meter modules, hand mic, 11 amp linear power supply, and boxes and manuals. Excellent shape - rig is very easy to use, SSB/CW, and puts out 50 watts (adjustable). Variable IF bandwidth, electronic keyer, RIT, etc. \$800 new, asking \$625. Will part out if radio goes first.

S&S Engineering TAC-1 for 40 meters. Assembled, aligned, with electronic keyer (was \$35 additional as a kit). Unit covers 7.0-7.2 MHz and has built-in audio filter. Digital display, digital tuning, easy to use. \$235 new ask kit, asking \$200 complete with manual. 5w radio in superb shape.

S&S Engineering Ark 20 (20m) CW rig, in very good (not excellent) shape. Tilt bail acts as carrying handle, radio is built like an aluminum brick. Pushbutton synthesized tuning, with built-in speaker and SPECIAL adjustable power mod (done at factory). Radio includes keyer. \$240.

Yaesu FT-736R 2m/440 MHz satellite rig. 25 watts output, gorgeous radio. Built-in AC supply. Only about 8 months old. Perfect condition with box, manual, hand mic, power cord. Bought on a whim, but not using as I've started doing more HF of late. Money can be better used as can radio. \$1400.

Yaesu FT-470 dual band handheld. Radio, manual, antenna, battery, charger, all in excellent shape. Had it sold some time ago, and the buyer disappeared. Dual receivers (VHF/UHF) and radio can be programmed for out of band receive. \$240.

\* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 \*  
\* 6m 82 grids on 8w \* DXCC WAS WAC \* QRP-L #147 \* QRP ARCI #9054 \*  
\* <http://w3eax.umd.edu/~ham> \* ARRL Life Member /Laurel ARC/UMARA \*  
\*\*\* 301-549-1022 h 301-982-1015 w \*\*\* 35 wpm HF mobile CW Neon \*\*\*

-----  
Date: Thu, 05 Mar 1998 12:28:07 EST  
From: n7mfb@juno.com (Bill Todd)  
To: nwq-1@scn.org  
Cc: qrp-1@Lehigh.EDU

Subject: [5307] NOT QRP: JUNO listening to its Users?  
Message-ID: <19980305.092015.10087.0.n7mfb@juno.com>

Hello group(s) -

Have you noticed a change in the JUNO program lately?

The last few times that I have logged on to JUNO, I noticed that I no longer see that irritating full page ad - you know, the one that you are forced to "cancel" with your mouse pointer, so that you can continue the process of sending or receiving your mail?

It could be that JUNO got so many complaints about this, that they eliminated the full page ad completely. On the other hand, they may just be getting ready to replace the full page add with a different ad. Beats me...

However, if the full page ad concept has been eliminated, I would have to say "THREE CHEERS!".

CUL, Bill-N7MFB

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You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
Or call Juno at (800) 654-JUNO [654-5866]

---

Date: Thu, 5 Mar 1998 09:38:58 -0800  
From: "ALAN KAUL" <alan.kaul@worldnet.att.net>  
To: <plquick@facstaff.wisc.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [5308] Re: New York Times Ham Radio Article  
Message-ID: <19980305174029.AAA1165@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Paulette and all:

I have not seen the Times article yet, I will when I get to the office ... nonetheless:

We should all write letters to the editor.

Let me rephrase that:

WE SHOULD ALL WRITE LETTERS TO THE EDITOR!

Include a QSL card (or if you can't write a letter--send a QSL Card) perhaps pointing out that the Times writer jumped to a 'wrong conclusion' about home building gear.

Interesting thing about 'letters' to editors, they're more likely to pay attention to the author if you point out 'mistakes' rather than saying you 'disagree.'

Another interesting thing about 'mistakes' -- try asking for a 'correction.' If there are enough correction request letters, there might be a second article. Don't forget to mention there are numerous US manufacturers -- not only Ten Tec, but also a lot of little companies which make fine radios (many of which are kit models requiring some dexterity for completion).

One more thing ... the Times can talk about 'licensed' amateurs and find facts and figures, but something worth stressing in your note is 'active' amateurs, and point out that you personally know of xxx number of active amateurs WITH WHOM you personally discuss radio (via e-mail) every day on the Internet and perhaps something like 100 percent of them actually either built their own equipment, or are planning to!! (I think we could probably prove that in a court of law!).

'Yessiree, Mr. or Ms. New York Times, you've slandered the technical skills of these fine Americans by implying they would only have Japanese radios....'

Oooops--- one more thing (again) the Times is on-line, we might be able to find a copy of the article and post it so everyone can share, and the Times has an e-mail address ---- we could all send notes!

72/73 de alan

Alan Kaul, W6RCL, LaCanada-Flintridge, CA

<http://home.att.net/~alan.kaul/qrp.html>

[alan.kaul@worldnet.att.net](mailto:alan.kaul@worldnet.att.net)

[w6rcl@amsat.org](mailto:w6rcl@amsat.org)

-----  
Date: Thu, 5 Mar 1998 11:47:22 -0600

From: "Walter Dufrain" <[walter@inlink.com](mailto:walter@inlink.com)>

To: <[alan.kaul@worldnet.att.net](mailto:alan.kaul@worldnet.att.net)>, "Low Power Amateur Radio Discussion" <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>

Subject: [5309] Re: New York Times Ham Radio Article

Message-ID: <199803051749.LAA26710@thor.inlink.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Hi all, maybe someone could post an address for us to send letters with QSL cards attached.

Thanks           Walter   AG5P           Wright City, Missouri  
                  C W    the    Cerebral Wavelength

<snip>

We should all write letters to the editor.

> Let me rephrase that:

> WE SHOULD ALL WRITE LETTERS TO THE EDITOR!

>

-----  
Date: Thu, 05 Mar 1998 13:09:31  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-1@Lehigh.EDU  
Subject: [5310] qrp rig ideas  
Message-ID: <3.0.3.16.19980305130931.21cf3b12@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Geez, fiber optic links, solar panels swinning in the breeeze, now you guys are getting plain silly :-)

It's easy enough to send DC power up the coax with some isolating RF chokes.

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

-----  
Date: Thu, 05 Mar 1998 10:42:21 -0800  
From: Laura Halliday <ve7ldh@direct.ca>  
To: qrp-1@Lehigh.EDU  
Subject: [5311] Re: New York Times Ham Radio Article  
Message-ID: <34FEF20D.5B210E97@direct.ca>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The New York Times are on the net, at <http://www.nytimes.com>  
(a few seconds with Yahoo sufficed to find them).

Please remember that the contents of the Times are protected  
by copyright, and posting the article here would violate that

copyright.

As for the comments about homebrewing - just how many hams  
\*do\* homebrew? Certain areas are hotbeds of homebrewing  
(e.g. QRP, microwaves), but these are minority interests...

...laura

-----  
Date: Thu, 5 Mar 1998 14:12:38 -0500 (EST)  
From: Kevin Bunin <p014455b@pb.seflin.org>  
To: ALAN KAUL <alan.kaul@worldnet.att.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [5312] Re: New York Times Ham Radio Article  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I saw the article. I did not we had a legal limit of 4kw!

Kevin K4PG

-  
Kevin Bunin  
p014455b@pb.seflin.org

-----  
Date: Thu, 05 Mar 1998 14:06:35 -0800  
From: LYN WILLIAMS <designserv@ipass.net>  
To: ve7ldh@direct.ca  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [5313] Re: New York Times Ham Radio Article  
Message-ID: <34FF21EB.8C80D663@ipass.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Laura Halliday wrote:

> As for the comments about homebrewing - just how many hams  
> \*do\* homebrew? Certain areas are hotbeds of homebrewing

> (e.g. QRP, microwaves), but these are minority interests...  
>

Don't overlook amplifiers, antennas, power supplies, bandpass filters, digital filters, tuners, interfaces to telephones & computers, beacons, DF equipment, test equipment, and on and on and on.

The hobby is not static and never has been static. It has always been dynamic and those who are beginners may tend toward being just appliance operators, as those who participate in certain high power groups may have a tendency to be, but many, many amateurs use the hobby as an educational opportunity and as a path toward becoming leaders in industry as they enhance their own skills. Indeed, many products and technologies in the world originated in the ham bands.

True, any one area may be called "a minority interest", but -- oh, what the heck; sometimes I tend to get up on a soapbox.

73,  
Lyn, W4WDN

"I can teach a man to sail a boat or fly a plane, but I can't teach him why."

Author unknown

-----  
Date: Thu, 05 Mar 1998 14:17:40 -0500  
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>  
To: cpetry@ccs.lmco.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [5314] Re: Book:you all should have  
Message-ID: <34FEFA54.2B89@quartz.gly.fsu.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

pete petry wrote:

>  
> >Guys just came across a book that is now carried in our storeroom.  
> >"The Art of Electronics" by Paul Horowitz Cambridge University Press

I like Horowitz also. I recall the book to be copyrighted in 1989.

About time for a second edition?

Henry

-----  
Date: Thu, 5 Mar 1998 14:19:03 -0500  
From: Mel Evans <MelEvansGM6JAG@compuserve.com>  
To: qrp-l <qrp-l@Lehigh.EDU>  
Subject: [5315] Elmer 101 update  
Message-ID: <199803051419\_MC2-35A7-3BF3@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

The update much appreciated. I speak for us all when I say "We cannot wait,  
we are not worthy" (Sound of Queen in background with "Bensonian"  
Rhapsody).

Wish I understood 10 p.c. of Nils' posts -----come to think of it, if I  
did, I could get worried about myself.

72 and 73 de Mel  
GM6JAG  
Edinburgh, Scotland UK.  
Home of the last HW9

G-QRP 1283 EA-QRP 88 ARRL and the likes

Area Chairman, British Caravanner's Club, Scotland.

-----  
Date: Thu, 5 Mar 1998 01:38:04 -0600  
From: "Bruce Barley" <lbbbarley@feist.com>  
To: <designserv@ipass.net>, "Low Power Amateur Radio Discussion" <qrp-  
l@Lehigh.EDU>  
Subject: [5316] Re: New York Times Ham Radio Article  
Message-ID: <199803051938.NAA11511@wichita.fn.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

The author of the article in the New York Times (Mar. 05, 1998) is John W. Verity.

I checked with the e-mail staff listing for the NYT, and his name is not there. Either he is a "contributing editor" i.e., not full time paid staff, or else he just has chosen to not make his e-mail (if he has it) address public.

Over all, the article is fair, and other than a couple of exceptions... reasonably accurate. We don't know how much of the article is still on "the cutting room floor". The article he submitted may well NOT be printed in it's entirety. Space, brevity, (room for display ads), etc. Dont'cha know?

You've got to remember that the odds are that John W. Verity is not a ham, and that his research into preparing this article is HIS FIRST exposure to the hobby, and all it encompasses. Try to explain something as varied as ham radio to a non-technical readership in just a few column inches..... UUUuuhh... Personally, I'd give him a score of 90 out of 100 on his article.

Here's my hearty endorsement to provide some feedback to  
letters@nytimes.com

Please remember to keep it polite. Be accurate in your statements. Thank the NYT for giving our hobby national (and international via the I'net) exposure. I think that if a number of us show some response, that it is reasonable that there may be a follow-up article which would provide the forum for additional details and an expansion of the scope of the original article.

Bruce KB0PZD qrp-1 #69  
lbbarley@feist.com  
-----

-----  
  
Date: Thu, 05 Mar 1998 14:52:50  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-1@Lehigh.EDU  
Subject: [5317] 15 M SSB DX  
Message-ID: <3.0.3.16.19980305145250.26d73e16@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hot Dang! Just worked VP5/KQ3V in Turkens-Parko, where ever the heck that



is, wid 10 W pep and 40 M dipole for ant. Got an honest 5x7. (He just went QRT) Apparently he was testing the station for contest this weekend. Heard a bunch of other DX also. Things are looking up :-)

Pays to sign QRP :-)

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

-----  
Date: Thu, 05 Mar 1998 12:58:36 -0700  
From: Andy Fox <foxes@theriver.com>  
To: lbbarley@feist.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [5318] Re: New York Times Ham Radio Article  
Message-ID: <34FF03EC.D85FD9AC@theriver.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I have done a little searching, and located the following data:

John W Verity  
Phone : 718-622-5680  
140 8th Av 5r,  
Brooklyn NY 11215-1767

This \_may\_ be the author of the article. I tried a quick search for an e-mail address, but came up short.

Can anybody take it from here?

72

--  
-----  
Andy Fox, KK7HV  
mailto:foxes@theriver.com  
<http://personal.riverusers.com/~foxes/>  
-----

Date: Thu, 05 Mar 1998 13:53:33 -0600  
From: Ed Manuel <n5em@flash.net>  
To: qrp-l@Lehigh.EDU  
Subject: [5319] SMT Ne602/612 Equivalent?  
Message-ID: <3.0.5.32.19980305135333.008302c0@pop.flash.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Anybody know of a surface mount version of the ubiquitous NE602?

Target application is on 6 meters and 10 meters in both receive and transmit mixers and balanced modulators. I'd like to avoid passive mixers to keep component count and current consumption way down. Reasonable noise figure would be nice. Lot's of gain is cool. Seems like all the surface mount "front-end" stuff I'm finding is for 400 mhz. and up. Oh, and a surface mount microphone audio processing chip, complete with mic gating and level control would be just dandy.

With confidence in the brain trust,

72 from Houston

-----  
Date: Thu, 5 Mar 1998 15:06:47 EST  
From: N1RGN <N1RGN@aol.com>  
To: QRP-L@Lehigh.EDU  
Subject: [5320] FS:5 HW-8s and more!  
Message-ID: <756f46cd.34ff05da@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Hello QRP-Lers:

I have 5 unused HW-8s and accessories, which I would like to sell to someone who will use them.

#1 HW-8

This one looks good and works well on all bands. The only modifications are the antenna connector is a SO-239 and not the standard RCA connector. Instead of the regular molex connector for power it has two wires coming out of the molex connector. Otherwise this is a very nice looking rig. \$130.00

#### #2 HW-8

This one is cosmetically challenged but works very well. Instead of the standard Heathkit green it is a darker, shinier, heavier green. I think of it as the "disco HW-8". The VFO and Loading knobs are not standard but they appear to be Heathkit in origin. Antenna connector is standard RCA and there is an additional BNC antenna connector installed by me in a hole that existed before I acquired this HW-8. There is a switch to turn the dial light on and off and there is another hole that looks like it was cut into the back to install a slide type switch. That switch is not there now. The molex connector is missing and power is supplied through two wires coming through the empty switch hole. This rig is cosmetically challenged but works great. I also have the matching HWA-7-1, yup, it is also disco green. I will not break up the pair. \$135.00 for the pair.

#### #3 HW-8

This rig is a nice one. It works well on all bands. It is Heathkit green. The VFO knob is not standard but appears to be Heathkit in origin. The rig has been modified. A previous owner added RIT and the knob for the RIT is where the filter knob used to be. The RIT knob is black, functional and not Heathkit. The original filter knob is in the back and is used to control the modified filter, which now has four positions instead of the original two. Power is supplied through the standard molex connector as well as two additional sets of connectors which I can't identify and which I have never tried to use. The antenna connector is a BNC connector. \$130.00

#### #4 HW-8

If you are looking for an original HW-8 that works well on all bands has good looks and has no modifications this is your rig! It has all the original knobs and connectors except for the antenna connector which is a SO-239. It has one small white dot on the top over the filter switch and a previous owner's social security number is very lightly etched into the back panel. The Heathkit sticker says series number 00611! This rig comes with the matching HWA-7-1 power supply. I will not break up the pair. \$145.00

#### #5 HW-8

This HW-8 has a few scratches on it but works all right. It receives well on all bands and also transmits on all bands but on the 15-meter band the side tone buzzes. I am sure this can be fixed. The VFO knob is not standard but appears to be Heathkit in origin. The connectors are standard except that the antenna connector is a SO-239 and an RCA jack has been added as a second headphone connection. \$120.00

#### HD-1410 Electronic keyer.

Very nice unit, looks good and works well. Built in ac power supply, speaker and side tone. \$65.00

#### HM-102 SWR Meter

This is a good-looking unit and works quite well. It has two ranges, 0-200

and 100-2000 watts, and has a built in calibrator. \$45.00

MFJ 901B antenna tuner.

I purchased this unit new and never used it. It has a SO-239 connector and connectors for balanced lines and random length wires. Handles up to 200 watts PEP and 1.8 to 30 MHz. MFJ has it listed in their catalog for \$69.95 I am selling it for \$50.00

Prices do not include shipping.

In case anyone is worried, I am NOT leaving ham radio or QRP operation. I just want this equipment to be used and that is not happening in my shack.

Please send all replies to:

David Holler  
N1RGN  
N1RGN@aol.com

Thanks for reading this.

-----  
Date: Thu, 05 Mar 1998 14:58:42 -0800  
From: LYN WILLIAMS <designserv@ipass.net>  
To: lbbarley@feist.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [5321] Re: New York Times Ham Radio Article  
Message-ID: <34FF2E22.67F81039@ipass.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Good Advice, Bruce.

BTW, I found 2 John W Verity persons in NY and 1 John Verity, but no way to distinguish them.

73,  
Lyn, W4WDN

-----  
Date: Thu, 5 Mar 1998 14:18:58 -0600

From: Kevin Muenzler <wb5rue@stic.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [5322] RE: New York Times Ham Radio Article  
Message-ID: <01BD4841.A407F160@muenzlerk.uthscsa.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

On foxes@theriver.com, Andy Fox[SMTP:foxes@theriver.com] wrote:

> I have done a little searching, and located the following data:  
>  
> John W Verity  
> Phone : 718-622-5680  
> 140 8th Av 5r,  
> Brooklyn NY 11215-1767  
>  
> This \_may\_ be the author of the article. I tried a quick search for an  
> e-mail address, but came up short.  
>  
> Can anybody take it from here?  
>  
> 72  
>  
> --  
> -----  
> Andy Fox, KK7HV  
> mailto:foxes@theriver.com  
> http://personal.riverusers.com/~foxes/  
> -----  
>  
>

He is also not a ham (unless John is a nickname). There are two  
hams with the name Verity. Robert (KB2TMH) and Gregory (WA2UVY)  
Verity. Both are in New York so they might be close relatives  
to John.

Kevin, WB5RUE

-----  
Date: Thu, 5 Mar 1998 12:21:00 -0800  
From: "ALAN KAUL" <alan.kaul@worldnet.att.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [5323] Re: New York Times Ham Radio Article  
Message-ID: <19980305202029.AAA11619@default>

MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

I've just looked over the NY Times article... it isn't so bad. A few generalizations and a few mistakes, but overall it's pretty gee whiz. It omits any reference to QRP (which is a little more than 30 dB BELOW what the article author refers to as "legal" power).

The specific url is:

<http://www.nytimes.com/library/tech/98/03/circuits/articles/05ham-radio.html>

Check it out ... my previous post about pointing out errors, asking for corrections, etc., is swatting at flies with a sledgehammer ... most of the NY Times mistakes are small and inconsequential. The bigger mistake is an error of omission.

That said, I'm still going to write a letter (or perhaps e-mail) suggesting that "homebrewing" isn't dead -- there are lots of items (perhaps in many if not all shacks) which have been built by the op...(or assembled by the op if you add kits).

The point I'm going to try to make is that while the writer apparently spoke to people who didn't have time or interest to work on projects, a lot of us would think of ourselves as "tinkerers" and "do it yourselfers." And while I might not be able to build something that competes with a deluxe rice box radio in terms of features and quality, a good many of us have built equipment which is reliable enough to provide two way communication over thousands of miles.

The emphasis of the article is on "users" (i.e. you don't have to be able to build a stereo system to appreciate good music, nor would you have to be able to build a computer to navigate the internet). We "users" are different, however, and should point out we do a little more than operate.

73/72 de alan

Alan Kaul, W6RCL, LaCanada, CA  
w6rcl@amsat.org  
<http://home.att.net/~alan.kaul/qrp.html>

-----  
Date: Thu, 5 Mar 1998 12:27:40 -0800  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
To: <kd1jv@moose.ncia.net>

Cc: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [5324] Re: 15 M SSB DX  
Message-ID: <01bd4875\$253a8e90\$309f5ecf@double\_trouble.reliablemeters.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Perhaps you mean Turks and Caicos? It is a small set of islands under British rule between the Greater/Lesser Antilles and the Bahamas. Very nice place. There is now a Club Med on the largest Turk island, Providenciales (misspelled, of course!), and a few very small resorts on some of the other islands.

Mike K1MG

>Hot Dang! Just worked VP5/KQ3V in Turkens-Parko, where ever the heck that  
>is, >Steve, Mr."Melt Solder"  
>

-----  
Date: Thu, 5 Mar 1998 12:47:03 -0800  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [5325] Re: New York Times Ham Radio Article  
Message-ID: <01bd4877\$da6bfc20\$309f5ecf@double\_trouble.reliablemeters.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I just read the article as published on the web.

I found one very minor factual error and one case of oversimplification.

I think that it is an outstanding job of journalism -- it takes a complex and varied subject, condenses it into a page of text so that it can be understood by the layman, and is devoid of the misunderstandings and misrepresentations that are so common in news reporting.

Almost daily I read news articles in the trade press and the general press about the electronics industry of which I am part. Some are so distorted that the subjects of the articles would be hard pressed to recognize themselves.

I think the NY Times and its reporter deserve a solid "Well Done."

Mike K1MG

-----  
Date: Thu, 5 Mar 98 15:53:03 +0000  
From: Josh Gould <josh.gould@axom.com>  
To: "QRP-L Mailing List" <qrp-l@Lehigh.EDU>  
Subject: [5326] RE: New York Times Ham Radio Article  
Message-ID: <199803052057.PAA10769@ns1.axom.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

>> I have done a little searching, and located the following data:  
>>  
>> John W Verity  
>> Phone : 718-622-5680  
>> 140 8th Av 5r,  
>> Brooklyn NY 11215-1767  
>>  
>> This \_may\_ be the author of the article. I tried a quick search for an  
>> e-mail address, but came up short.  
>>  
>> Can anybody take it from here?  
>>  
>> 72  
>>  
>> --

>> -----  
>> Andy Fox, KK7HV  
>> <mailto:foxes@theriver.com>  
>> <http://personal.riverusers.com/~foxes/>  
>> -----  
>>  
>>

I think it's send a lettter to the New York Times and address it to John  
W Verity. It  
should get to him

Josh



-----  
Date: Thu, 05 Mar 1998 12:59:03 -0800  
From: Gardner / Maguire <bagardn@ibm.net>  
To: "James R. Duffey" <ji3m@maxwell.com>  
Cc: qrp-1@Lehigh.EDU  
Subject: [5327] Re: RF Probe Panic  
Message-ID: <34FF1217.1118@ibm.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Duffey,

> I have long avoided these problems, both theoretically and experimentally by not dealing with anything that requires more than 1 or 2 significant figures.

Sage advice indeed. One often wonders how much better off the world would be if mankind in general could only learn to "not sweat the details".

> I think that this is a holdover from my slide rule days.

Ah, memory lane. I still have my K+E Log Log Duplex Decitrig readily available in my top desk drawer, although I must admit it holds that position more out of honor and respect rather than functionality. After college my career path took me into the world of 1's and 0's, where  $2^2$  equaled 3.999999 and nobody so much as batted an eyelid.

> I notice that it is just as easy to find W1AW, K7HLR, ...

Man, don't ya just love those sea stories on K7HLR. Although I have to struggle above about 25 WPM, I really enjoy listening. (I get upset whenever they change the schedule and/or propagation fails and I miss a day.) I enjoy the K7HLR format (interesting stories, relatively long periods of high speed code) much more than the W1AW format (only about 6 minutes of text at any given speed), but of course that's just personal opinion.

> I installed a new operating system and seem to be having some problems with my mailer generating lines that are too long.

Yes, your private email to me came with long lines which required me to do the "wrap long lines" (or whatever) thing. Haven't yet seen the qrp-1 post (I read from the web page - email sometimes gets overwhelming).

> I always seem to get this way after reading one of Nils's posts.

That guy is the Salvador Dali of qrp-l!

Thanks for the nice note, Duffey. Will listen for you on 40 CW. That's the only band/mode I work, except for a bit of 2 mtr FM in conjunction with hang gliding. (How's that for juxtaposition: talk of slide rules and hang gliding! You'd be surprised how many of my pilot buddies are definitely -not- the "I'm young and can cheat death" types!)

73, Dan AC6LA

-----  
Date: Thu, 05 Mar 1998 14:02:52 -0700  
From: Phil <k6ls@prolynx.com>  
To: qrp-l <qrp-l@Lehigh.EDU>  
Subject: [5328] Re: 10M SSB RIGS:FUTURE?  
Message-ID: <34FF12FC.4728F6BF@prolynx.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

You don't have to use your 10m rig on 10m ya know...

Those rigs make excellent IF rigs. You could get on a new band with one, all you need is a transverter. There are plenty of bands to choose from that use 10m as the IF. (mostly 6m and above)

just a thought.

--

73 de Phil, K6LS

k6ls@qsl.net <or> k6ls@amsat.org  
<http://www.qsl.net/k6ls>  
<http://www.prolynx.com/k6ls>  
DM79oq, Arapahoe County, Colorado  
ITU zone 7, CQ zone 4  
QRP-L #612 NorCal #824  
CQC #471 ARCI #8866

-----  
Date: Thu, 5 Mar 1998 14:18:03 -0700 (MST)  
From: Bob Hightower <ki7mn@dancris.com>  
To: qrp-l@Lehigh.EDU

Subject: [5329] Re: NY Times Article/Hunt for Author  
Message-ID: <199803052118.0AA07579@user2.dancris.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

What are you going to do when you find the author? A letter, note or e-mail to the Times questioning the accuracy, veracity or whatever or the article will surely result in their contacting him for his slant. Whether he is a ham or not is immaterial, as is whether he lives in one state or another.

Just send the note and let it rest.

73,  
Bob KI7MN (ki7mn@dancris.com) Chandler, AZ  
NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL  
<http://www.dancris.com/~ki7mn>

-----  
Date: Thu, 05 Mar 1998 21:31:00 +0000  
From: Ed Loranger <we6w@qsl.net>  
To: bagardn@ibm.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [5330] Re: RF Probe Panic  
Message-ID: <34FF1994.1B80@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The Main Man Dan wrote:  
<snip for brevity>

> Man, don't ya just love those sea stories on K7HLR.

Yup it's great!

<snip more>

>

> Thanks for the nice note, Duffey. Will listen for you on 40 CW. That's  
> the only band/mode I work, except for a bit of 2 mtr FM in conjunction  
> with hang gliding. (How's that for juxtaposition: talk of slide rules  
> and hang gliding! You'd be surprised how many of my pilot buddies are  
> definitely -not- the "I'm young and can cheat death" types!)

>

> 73, Dan AC6LA

Cool Dan! I went to the Pacificon Seminar on hang Gliding/Ham Radio.  
It was neat. Great Slideshow, but a bit long.

P.S. Thanks for the QSO last night. Tough with both us working of the 'ends' of our antennae.

CUL om.

-Ed/we6w (Still Giddy after being announced as 1st Place winner in PX/49 test!)

--

72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR  
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

-----  
Date: Thu, 5 Mar 1998 13:43:51 -0800 (PST)  
From: Monte Stark <ku7y@sage.dri.edu>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [5331] Headphones  
Message-ID: <Pine.SUN.3.90.980305134129.10362A-1000000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I bought some VHF headphones. So far they are working great.

No idea how long the batteries will last.

But it sure is nice to listen to the fox while walking around the house and even outside!

I think the 900 mhz units would be better but can't find any of those for less than about \$150.

These cost a little under \$60.

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----

Date: Thu, 5 Mar 1998 13:56:49 -0800  
From: Russ Carpenter <russ@natworld.com>  
To: "QRP-L List" <qrp-l@Lehigh.EDU>  
Subject: [5332] Soapbox for the March Spartan Sprint (Long)  
Message-ID: <199803052158.NAA08914@guppy.pond.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

>From Roy, AA0B

Things worked WEST only.

\*\*\*\*

>From Cleve, KT7S

1st all QRP contest. It was easier than waiting for someone to be S9+ in order to hear me. Of course it helps if no one is calling CQ in the null of your transmit sig. And I wish that the VE7 station that asked us to QSY would have made a complete QSO before leaving...THANKS FOR THE FUN

\*\*\*\*

>From Randy, AB7TK

A fine sprint! 40 m got more productive as folks got the QRP-L fox and came looking for sprinters.

\*\*\*\*

>From John, K6PZB

The band was really open and it seemed like only operator skill and courtesy, mine included, kept many from bigger scores. I'd like to promote the concept of everyone trying to assist others working as many as possible. We are certainly not doing this for the money! In VHF contests people used to tell each other who was trying to call them.

Spoken like someone who has an iffy antenna down in a valley :-)

\*\*\*\*

>From John, K3WWP

Conditions better this month with strong sigs on 80, but not many of them. Worked 5 in 6 minutes to start, then 2 in 9 minutes, then nil. Had one very weak station call around 0250Z, but try as I might, just couldn't pull him through. Thought it was a KC8 maybe.

\*\*\*\*

>From Ed, WE6W

Ahhhh, to eat your cake and still have it!  
Got the QRP-1 Fox and jumped in on the ARS  
Spartan Sprint. What a blast! Great propagation  
and the only QRN was my XYL using the beaters  
for the mashed potatoes. (Must schedule dinner  
before/after the hunt, not during!) Plastic str-  
aight key got more than its share of work. 25 q's  
at 1.5 lbs station weight! Best ever for me.  
16.67 Q's/lb. YeeeeHaaa! Thanks ARS.  
-Ed, we6w

\*\*\*\*

>From Pete, W6ZH

GOOD conditions. Neat to work some of the east  
coast stalwarts like VE3ELA, WA1QVM & N4ROA.  
WQ3RP was a difficult QSO but worth it! Also  
W5ATS who called in QRO, asked what "SP" was all  
about & then turned power down to QRP level for a  
'test QSO! And, one who will not be named who was  
so caught up in the Fox-hunting mode that he had  
to be coaxed to give a power number instead of his  
QRP-L number! Oh - and did work Bob-the-Fox, N6WG,  
but his QSO is not included in the 37 total.

\*\*\*\*

>From Bill, N7MFB

I only worked the contest for about 20 minutes, from 03:40 to 04:00. I  
had assumed that the contest was going to run until 10 PM PST (me thinks  
it is wise to check the information better next time..ha ha). Heck - I  
even put the information on the current Feb "NWQ" Newsletter, so you  
would think that I would remember the details.

RIG: MXM single bander rig, crystal controlled on 7.040 (weighs about 1  
lb)

PWR: One watt

ANT: Two element wire Yagi, aimed towards Florida.

Battery: 3 AmpHr Gell Cell However, I have discovered that this Yagi has  
a great lobe towards California, thus my many California

contacts.

\*\*\*\*

>From Scott, AA5BK

Alot of fun. Worked 9 states with my 11 contacts.  
4 watts into 80m loop with Sierra.

\*\*\*\*

>From Mike, W3TS

Same gear as other times. Same 9:30 sked. Band seemed good, but not many stations heard. I quit at 10:30 and hit the sack, I was still tired from loosing lots of sleep from the weekend 160M contest.

\*\*\*\*

>From Joel, WA1QVM

At the start 80 was pretty active, and 40 was dead... 45 minutes latter 80 was dead and 40 was open: LONG. Worked OR, UT, ID, CA, CO, AZ, etc., all from Mass. Best Sprint in at least 2 months. See everyone next month.

\*\*\*\*

>From Steve, K7PX

Now that was propagation!!!!

\*\*\*\*

>From Larry, WD3P

Best Sprint in months. Could only put in part of the first hour but was well worth it. 40M was hopping for the first 15 min, then dropped out. Tried 80 briefly and then had to call it a night.

\*\*\*\*

>From Danny, WQ3RP

Here is the Report of "Maryland Milliwatt Club Station" "WQ3RP"  
Trustee & Operator K3TKS G. Danny Gingell at the key.

This was the breaking in for the new club callsign. I split the time hopping back and forth between 40 & 80.

I ran the QRP Plus at 1 Watt output, with Large (100 Ahr?) deepcycle marine battery on the floor, an MFJ 941D ATU, a bencher paddle, and a HB keyboard in an old IBM "Battleship" keyboard housing, also a 7 Ahr Gellcell on the floor for keyboard power. 80 M Horiz loop at 45 feet in the oak trees and a 40 M vertical loop in same trees.

Estimate total weight at around 100 pounds. Guess that puts us in "Tubby-Tubby" Class. :^) 11 QSO's Total 6 on 40 and 5 on 80. GA, AL, OR, CA, NM, AZ on 40 and MA, PA, MD & ONT on 80. Right tuff conditions with QRM, QRN & QSB. Good fun, never the less.

\*\*\*\*

Tonight was the best band conditions ever for SS here in central Utah. I trimmed and optimized my rig/equipment in preparation for a big backpacking trip into a sandstone canyon later this month. I had a great time on the sprint - it looks like things are ready for the trip! Rig = SST 40 with AA battery pack/Whiterook keyer and earbuds.

\*\*\*\*

>From Ken, VE3ELA

Conditions here were much better than the past two Sprints. Lots of activity on 40m with the QRP-L Fox Hunt on simultaneously. Pleased to work WQ3RP (op Danny K3TKS) on 80m.

\*\*\*\*

>From Bruce, N7CEE

(I'm in the process of joining.) Great contest- I enjoyed it. It took a little while to get used to my new White Rook paddle, but it's a lot lighter than the Bencher!

\*\*\*\*

>From Ken, W4DU

Russ,

My first Sprint and I really enjoyed it! I had a total of 12 QSOs on forty meters. My FT 990 weighs in at (I think 22lbs). I had the ALC adjuted at 3 watts. The band was good from Georgia to the west coast (I worked you and quite a few others).



Next time I'll use my SST, battery and operate more in the style of the Sprint.

Thanks for a great op event.

\*\*\*\*

>From Paul, N6LL

I made 5 contacts during the Spartan Sprint. All on 40.

The Index Labs rig weighs about 12 lbs. including rig, keyer, paddle, tuner, headphones, and battery (fully charged).

The dipole weighs less than 1 lb.

The dipole support was a 5 story concrete building and recording studio. Not sure how much it weighs!

I sat on the fire escape overlooking Hollywood.

Thanks for all the fun!

-----  
Date: Thu, 5 Mar 1998 13:56:55 -0800  
From: Russ Carpenter <russ@natworld.com>  
To: "QRP-L List" <qrp-l@Lehigh.EDU>  
Subject: [5333] Results of the MARCH SPARTAN SPRINT  
Message-ID: <199803052158.NAA08922@guppy.pond.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

The March Spartan Sprint was terrific--excellent participation and propagation. Of course, it didn't hurt to have some foxy stations in the neighborhood. All in all, the event was a great boost to the spirits. Thanks to all who participated.

We awarded one point for each 80 and 40 meter QSO. Stations that weighed a zillion pounds were all stipulated to weigh 30 pounds. The soapbox has been posted separately.

Results reported in the order of points per pound (the Skinny Division)

| Call | Name | 80 M | 40 M | Total Weight | Points/<br>Pound |
|------|------|------|------|--------------|------------------|
|------|------|------|------|--------------|------------------|

|        |         |   |    |    |      |       |
|--------|---------|---|----|----|------|-------|
| N7XJ   | Bob     | 0 | 42 | 42 | 1.4  | 30.00 |
| K6PZB  | John    | 0 | 14 | 14 | .5   | 28.00 |
| W6ZH   | Pete    | 0 | 37 | 37 | 1.34 | 27.61 |
| WE6W   | Ed      | 0 | 25 | 25 | 1.5  | 16.67 |
| AA7QU  | Russ    | 0 | 38 | 38 | 2.7  | 14.07 |
| W3TS   | Mike    | 9 | 0  | 9  | .8   | 11.25 |
| AB7TK  | Randy   | 0 | 14 | 14 | 1.3  | 10.77 |
| N7CEE  | Bruce   | 0 | 19 | 19 | 2.4  | 7.92  |
| WA4AAK | Evan    | 0 | 9  | 9  | 1.5  | 6.00  |
| WA1QVM | Joel    | 6 | 15 | 21 | 3.5  | 6.00  |
| K7PX   | Steve   | 0 | 14 | 14 | 2.5  | 5.60  |
| N7MFB  | Bill    | 0 | 10 | 10 | 3.0  | 3.33  |
| N0IBT  | Dave    | 0 | 15 | 15 | 5    | 3.00  |
| AA0B   | Roy     | 0 | 7  | 7  | 2.4  | 2.92  |
| WD3P   | Larry   | 1 | 6  | 7  | 2.5  | 2.80  |
| AA5BK  | Scott   | 0 | 11 | 11 | 5.3  | 2.08  |
| WD6FDD | Richard | 0 | 5  | 5  | 3    | 1.67  |
| K06KA  | Rob     | 0 | 14 | 14 | 14.8 | 0.95  |
| KT7S   | Cleve   | 0 | 20 | 20 | 30   | 0.67  |
| AA7LE  | Bary    | 0 | 4  | 4  | 9    | 0.44  |
| VE3ELA | Ken     | 6 | 7  | 13 | 30   | 0.43  |
| N6LL   | Paul    | 0 | 5  | 5  | 12   | 0.42  |
| W4DU   | Ken     | 0 | 12 | 12 | 30   | 0.40  |
| WQ3RP  | Danny   | 5 | 6  | 11 | 30   | 0.37  |
| K3WWP  | John    | 7 | 0  | 7  | 30   | 0.23  |

Results reported in the order of points (the Tubby Division)

| Call   | Name  | 80 M | 40 M | Total |
|--------|-------|------|------|-------|
| N7XJ   | Bob   | 0    | 42   | 42    |
| AA7QU  | Russ  | 0    | 38   | 38    |
| W6ZH   | Pete  | 0    | 37   | 37    |
| WE6W   | Ed    | 0    | 25   | 25    |
| WA1QVM | Joel  | 6    | 15   | 21    |
| KT7S   | Cleve | 0    | 20   | 20    |
| N7CEE  | Bruce | 0    | 19   | 19    |
| N0IBT  | Dave  | 0    | 15   | 15    |
| AB7TK  | Randy | 0    | 14   | 14    |
| K6PZB  | John  | 0    | 14   | 14    |
| K7PX   | Steve | 0    | 14   | 14    |
| K06KA  | Rob   | 0    | 14   | 14    |
| VE3ELA | Ken   | 6    | 7    | 13    |
| W4DU   | Ken   | 0    | 12   | 12    |
| AA5BK  | Scott | 0    | 11   | 11    |
| WQ3RP  | Danny | 5    | 6    | 11    |
| N7MFB  | Bill  | 0    | 10   | 10    |

|        |         |   |   |   |
|--------|---------|---|---|---|
| WA4AAK | Evan    | 0 | 9 | 9 |
| W3TS   | Mike    | 9 | 0 | 9 |
| AA0B   | Roy     | 0 | 7 | 7 |
| K3WWP  | John    | 7 | 0 | 7 |
| WD3P   | Larry   | 1 | 6 | 7 |
| WD6FDD | Richard | 0 | 5 | 5 |
| N6LL   | Paul    | 0 | 5 | 5 |
| AA7LE  | Bary    | 0 | 4 | 4 |

\*\*\*\*

Thanks for your support of the Spartan Sprints!

Russ Carpenter, AA7QU  
Contest Manager

-----  
Date: Thu, 5 Mar 1998 17:16:59 -0500  
From: "Bill Meahan" <mwmeahan@rust.net>  
To: qrp-1@Lehigh.EDU  
Subject: [5334] An old r2t2 article!  
Message-ID: <199803052218.RAA07055@Fe3.rust.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

I found the following on an old floppy disk in my file cabinet at work. Apparently I had saved it "for future reference at the time.

Anybody here familiar with the "op-amp trimmer" referred to in the article?

-----begin included material-----  
From: wade@n1bwt.enet.dec.com (Paul Wade)  
Subject: Yes, someone has built a T2 and R2  
Date: 19 Nov 1993 21:04:41 GMT

>Article 1121 of rec.radio.amateur.homebrew:  
>Newsgroups: rec.radio.amateur.homebrew  
>From: galen@picea.CFNR.ColoState.EDU (Galen Watts)  
>Subject: Re: single sideband, phasing and T2/R2  
>  
>In the April, 93 issue of QST is the 'Multimode Phasing Exciter' alias the  
>T2 board. Uses 1% componenets in the phase shift network. I have the board  
>(along with the companion R2) but I haven't built it, as I can't decide if  
>I should put it on 440 SSB or 1750m CW/SSB. You must also have a 90 deg.  
>phase shift for the RF, which I can get for 440 from Mini-Circuits.

>  
>Anybody built these boards and willing to talk?  
>  
>Galen, KF0YJ

Yes. After hearing Rick Campbell describe these rigs at Microwave Update '92, we decided to try them. (We are N1EKV, KB1VC, and myself). By the time the boards actually arrived, we had thought about this for awhile and discovered some potential improvements, particularly to the R2, so we decided to assemble two pairs, one to try modifications and one original design for comparison. Due to a few other activities, like other ham interests, working for a living, and trying to stay married, we aren't finished yet, but here is where we are:

T2 - works pretty well. At 50 MHz with a decent 90 degree phase shift network, I measure 55 dB of carrier suppression, and better sideband rejection than my spectrum analyzer can measure (spectrum analyzers don't have steep-skirted filters so they can sweep at a reasonable speed). Two areas need improvement:

1. The 90 degree phase shift networks in the article don't work very well. A quarter-wave of coax is good at one frequency, but too big at LF and too critical at UHF. Fast flip-flops seem attractive, but, as KH6CP has already pointed out, when you do the numbers, they aren't good enough at any reasonable frequency.

However, ferrites can do it. N1EKV came up with something called a twisted-wire quadrature hybrid using a ferrite core and a capacitor or two. I made examples for 7 Mhz and 50 MHz - both are within 1 degree of 90 over nearly an octave. Byron also shows an op-amp circuit which can trim both amplitude and phase. (Reference: Byron Blanchard, N1EKV, "RF Phase Shifter for Phasing-Type SSB Rigs," \_Proceedingsof the 19th Eastern VHF/UHF Conference\_, ARRL, 1993).

The audio phase shifter is pretty good. One of the references in the QST article does a pretty thorough tolerance analysis which concludes that 30 dB of sideband suppression is easy, 40 dB is realizable, and 50 dB is hard.

2. The output low pass filter values suggested are for a Butterworth filter with cutoff at the operating frequency, so they have 3dB of loss. Look up Tchebychev filters in the ARRL handbook - you can get better harmonic rejection with minimal loss.

The R2 has much more potential for enhancement. The original works quite well, though I don't have accurate numbers. Sideband rejection

might be 35 or 40 dB by rough measurement, but, to the ear, that is a lot when there is no AGC trying to counteract the filter as you tune. Areas for improvement, still under investigation:

1. Phase shifter - like T2, plus add op-amp trimmer to improve rejection.
2. High level mixers - burn some power in the local oscillator for increased dynamic range.
3. Audio preamp - currently a common-base transistor, distorts before either the mixer or the op-amps. A very low noise op amp sells for around \$5, should do a much better job and provide a better impedance for the triplexer or diplexer.
4. Triplexer - input to the audio phase shifter must be band-limited, since the phase shift is only good over a limited range. At the same time, the mixer needs a good load from DC to several times the RF frequency. We think this can be simplified to a diplexer if the audio preamp has controlled input impedance down to DC. The diplexer should have less phase distortion.
5. AGC - while we agree with Rick that AGC is terrible if one wants low distortion, the idea of a completely linear receiver with a one-watt or more audio amp driving headphones is frightening! Something to protect the ears is needed.

#### Teasers:

1. Is it possible for hams to make a synthesizer with low enough phase noise to use with the T2 and R2?
2. If the R2 uses a diplexer which is good down to DC, it is possible to recover both amplitude and phase of an incoming carrier. Much more than just a receiver.

paul N1BWT

-----end included material-----

72!

--

Bill Meahan WA8TZG

mwmeahan@rust.net

ARRL, IMRA, QRP-L(#117), NorCal QRP (#407), G-QRP (#8468), MI-QRP (#M1458)  
All statements herein are worth exactly what you paid for them  
cat: a purr bearing mammal

-----  
Date: Thu, 5 Mar 1998 22:24:32 +0000  
From: Bob Roach <KE4QOK@worldnet.att.net>  
To: kreinbd@ccgate.dl.nec.com, qrp-l@Lehigh.EDU  
Subject: [5335] Re: 10M SSB RIGS:FUTURE?  
Message-ID: <19980305222413.AAA22767@LOCALNAME>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 02:04 PM 3/4/98 -0600, you wrote:

>  
> Hi Folks,  
>  
> Anybody heard any rumors/facts about any 10m ssb  
> rigs coming out in the near future? Seems like  
> a natural progression for the MFJ 9420, 9440,  
> series of rigs. Still wishing I picked up  
> one of those RadioShack or Uniden rigs when  
> they were popular.

Hello,

I have been told by one of the local Radio Shack managers that there are plans to market a 10M rig in the not to distant future. I think they are waiting for the band to go crazy to guarentee good sales.

(o o)

-----o00\_( )\_00o-----  
73 es TNX Advanced, VE, QRP-L#1264, AR QRP#83  
KE4QOK KE4QOK@worldnet.att.net  
Bob ke4qok@juno.com

136 Hermitage Road  
Newport News, VA 23606  
(757)930-0348

When the student is ready.....  
The teacher will appear.

Date: Thu, 5 Mar 1998 14:46:40 -0800  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: <qrp-1@Lehigh.EDU>  
Subject: [5336] NorCal K8FF Paddle Kits Shipped  
Message-ID: <01bd4888\$90660880\$630a0d0a@doug.dpol.k12.ca.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Jim Cates has shipped all of the back ordered NorCal Paddle kits. These kits are the "narrow width" paddle handle version, (the notches for the paddle handles were put on the other side of the paddles, resulting in a narrower distance between the paddle handles.) This was a revision suggested by the designer, Wayne Smith, K8FF. Again, we are not selling retrofit kits, they are not available.

If you are interested in ordering a set of NorCal Paddles, the ordering information is:

The NorCal Paddle Kit will consist of all the parts needed to build the kit, including the base, machined brass parts, and all hardware. The kit is unfinished. The machining has been done for you, but it is up to you to finish the kit by polishing the brass parts and painting or plating the base. The cost of the kit is \$30 plus \$5 shipping and handling in the US, \$10 shipping and handling for Western Europe and Canada, and \$15 shipping and handling for the Pacific Rim.

To order send your check or money order (US Funds Only) to:

Jim Cates  
3241 Eastwood Rd.  
Sacramento, CA 95821  
USA

Make checks and money orders out to Jim Cates, NOT NorCal.

For those of you in the United Kingdom and Western Europe. You may order your paddle kits from our European agent and pay in English pounds. The cost is 25 UK Pounds. To order send your checks (English Pounds Only) to:

Steve Farthing,G0XAR  
38 Duxford Close  
Melksham, Wiltshire, England  
SN12 6XN.

Make checks out to Steve Farthing, NOT NorCal. Steve will forward the orders to Jim via email and your kit will be shipped from California via small packet air. The objective of having a European agent is to make it easier for NorCal members in the UK to order club kits.

Kits are in stock and will ship immediately. We apologize for the delay that some of you have had, but demand has been so great that we got behind

on the production of the kits. Don't forget that there is a building contest at Dayton sponsored by NorCal, and one of the categories will be NorCal K8FF Paddles. Prizes will be awarded, plus, the designer will be there and you will have your picture with your paddles taken with Wayne Smith himself!! Judging for the NorCal Construction Contest will be Saturday night at Dayton at 8:00 PM. Contest Divisions Are:

NorCal K8FF Paddles  
2N2222 Design and Construction Contest  
K5FO Unlimited Class (for anything that you have built since Dayton of last year.)

Hope to see you there at Dayton. 72, Doug, KI6DS

-----  
Date: Thu, 05 Mar 1998 18:02:55 -0500  
From: Zack Lau <zlau@arrl.org>  
To: qrp-1@Lehigh.EDU  
Subject: [5337] Re: SMT Ne602/612 Equivalent?  
Message-ID: <34FF2F1F.2BA6@arrl.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The SMT version was available when they first released the chip.  
Look for the "D" package--Zack W1VT

-----  
Date: Thu, 05 Mar 1998 15:01:36 -0800  
From: Rick Tavan <tavan@tibco.com>  
To: qrp-1@Lehigh.EDU  
Subject: [5338] Paddle Swap?  
Message-ID: <3.0.32.19980305150010.03071078@tekbspa>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

The latest batch of Norcal paddle kits shipped by Jim Cates has paddle arms set up for "narrow" handle spacing. Earlier kits were "wide" spacing. Which is better is an intensely personal choice. I have two of the wide kits and would prefer the narrow. Want to swap? I believe all we have to exchange is the two little arms - nothing heavy!



/Rick

-----  
Rick Tavan  
TIBCO Software, Inc.  
3165 Porter Drive  
Palo Alto, CA 94304  
+1-650-846-5000  
tavan@tibco.com

-----  
Date: Thu, 5 Mar 1998 15:36:25 -0800  
From: chunt@macromedia.com (Christian Hunt)  
To: qrp-1@Lehigh.EDU  
Subject: [5339] Learning to use paddles...  
Message-ID: <v02140b0ab124e6bbd3a3@[192.168.22.76]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Not really QRP, but I didn't know where else to ask. Plus you guys are all good, so I didn't think anyone would mind... :)

If someone (say me) wanted to learn how to use paddles, where would they start? Getting some paddles and a keyer and practicing? Trial and error? Osmosis from really gud ops online?

Thanks in advance!

72 de KF6IHU - Christian

-----  
Date: Thu, 5 Mar 1998 15:54:26 -0800 (PST)  
From: traylor@ECE.ORST.EDU (Roger Traylor)  
To: qrp-1@Lehigh.EDU  
Subject: [5340] Looking for Mini Ckts MAV-11  
Message-ID: <199803052354.PAA26871@pal.ece.orst.edu>  
Content-Type: text

Guys,

I am looking for a Mini-Circuits MAV-11 monolithic

amplifier or equivalent. Does anybody have one or  
a few for a project? I'll be glad to ship you off  
cash or a check tomorrow.

Roger Traylor  
WB4TPW

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End of QRP-L Digest 1020

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